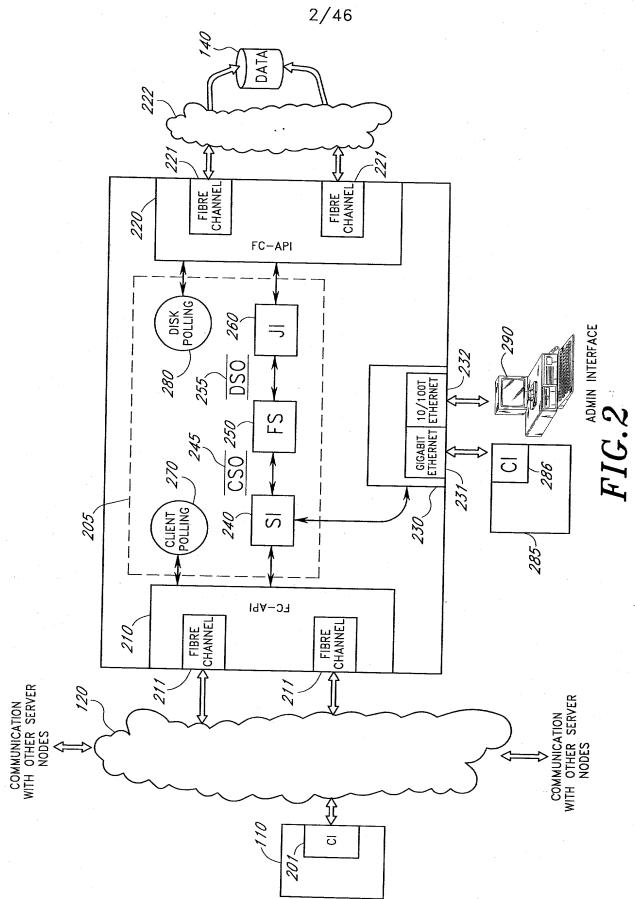
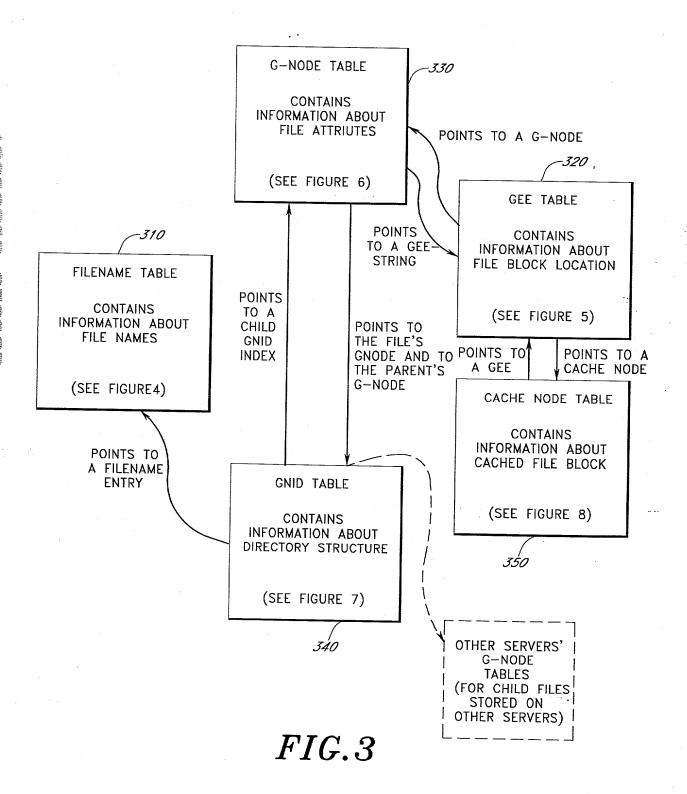


FIG. 1





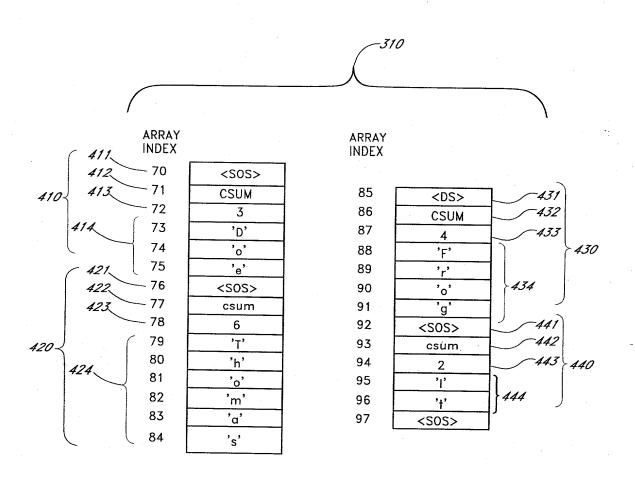


FIG.4

									5	5/	46	<b>;</b>													
													1000												
							550				_				551	)					650	700	1		
	265	FILE LOGICAL BLOCK			2	3		4	5	9					7	æ					6	10			
320	291	DATA	GNODE=67, EXTENT=2, ROOT=TRUE	LOGICAL BLOCKS: 456,457 DRIVE 1	BLOCKS: 667,668 DRIVE	LOGICAL BLOCKS: 112,113 DRIVE	DISK LOGICAL BLOCKS: 554,555 DRIVE 2	LOGICAL BLOCKS: 458,459	BLOCKS: 669,670 DRIVE	DISK LOGICAL BLOCKS: 119,120 DRIVE 19	DISK LOGICAL BLOCKS: 556,557 DRIVE 2	INDEX 76	***	GNODE=67, EXTENT=3, ROOT=FALSE	LOGICAL BLOCKS: 460,461,462	LOGICAL BLOCKS: 671,672,673 DRIVE 1	ICAL BLOCKS: 121,122,123 DRIVE 1	INDEX 88	•••	GNODE=67, EXTENT=3, ROOT=FALSE	AL BLOCKS: 463,464,465 DRIVE 1	OGICAL BLOCKS: 674,675,676 DRIVE 1	AL BLOCKS:	GNODE=43, EXTENT=4, ROOT=FALSE	•••
	290	G-CODE	GNODE	DATA	DATA	DATA	PARITY	DATA	DATA	DATA	PARITY	LINK	•••	GNODE	DATA	DATA	PARITY	LINK	•••	GNODE	DATA	DATA	PARITY	GNODE	• • •
	_	INDEX	45		$\mathcal{T}$	T	67		7	$\int$	53	$\mathcal{T}$		9/ //	T	1 28 J	L T	08	:	88	$\mathcal{T}$	T		97	•
		-	2	5,	, v	) u	7,4	5	6	2	5/0	5	ļ	270	170	3 6	70	5%	į	550	5/6	9	278	529	

FIG.5

	ATTRIBUTE DATA	
602 604 606 608	FILE ATTRIBUTE—TYPE FILE ATTRIBUTE—MODE FILE ATTRIBUTE—LINKS FILE ATTRIBUTE—UID	
612_ 614_	FILE ATTRIBUTE-GID FILE ATTRIBUTE-SIZE FILE ATTRIBUTE-USED	
620 622 624 626	FILE ATTRIBUTE-FILEID FILE ATTRIBUTE-ATIME FILE ATTRIBUTE-MTIME	
628 630 631	FILE ATTRIBUTE-CTIME CHILD GNID INDEX GEE INDEX-LAST USED GEE OFFSET-LAST USED	600
632 633 634 635	GEE INDEX-MIDPOINT GEE OFFSET-MIDPOINT GEE INDEX-TAIL GEE OFFSET-TAIL	
636 638 640	GEE INDEX-ROOT GNODE STATUS	
642	QUICK SHOT STATUS QUICK SHOT LINK	

FIG.6

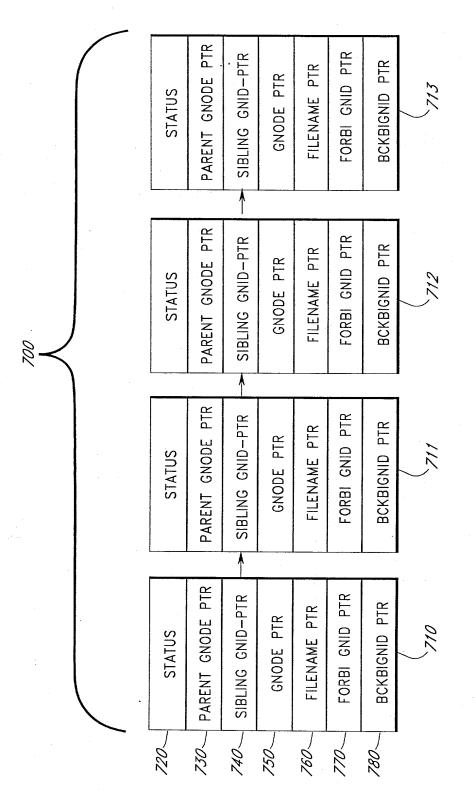


FIG. 7

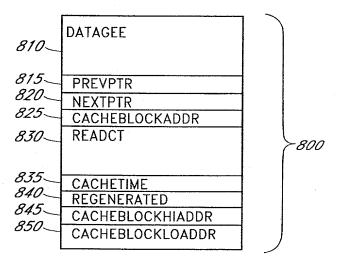
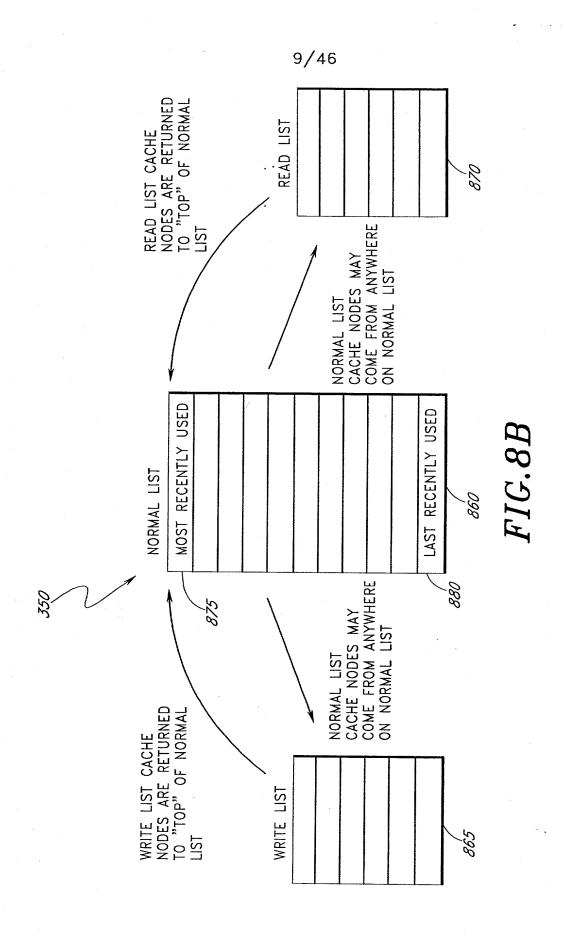
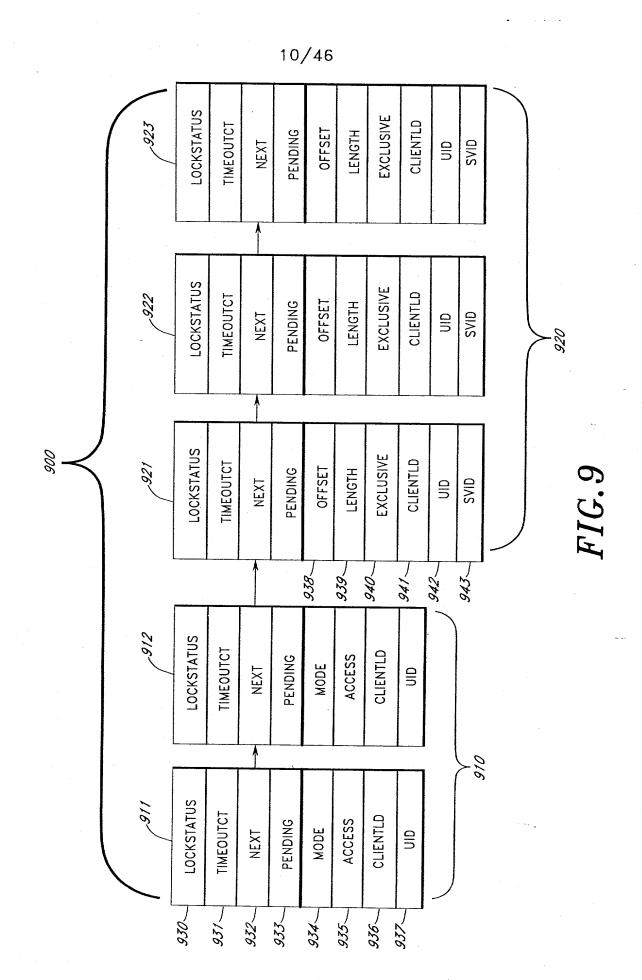
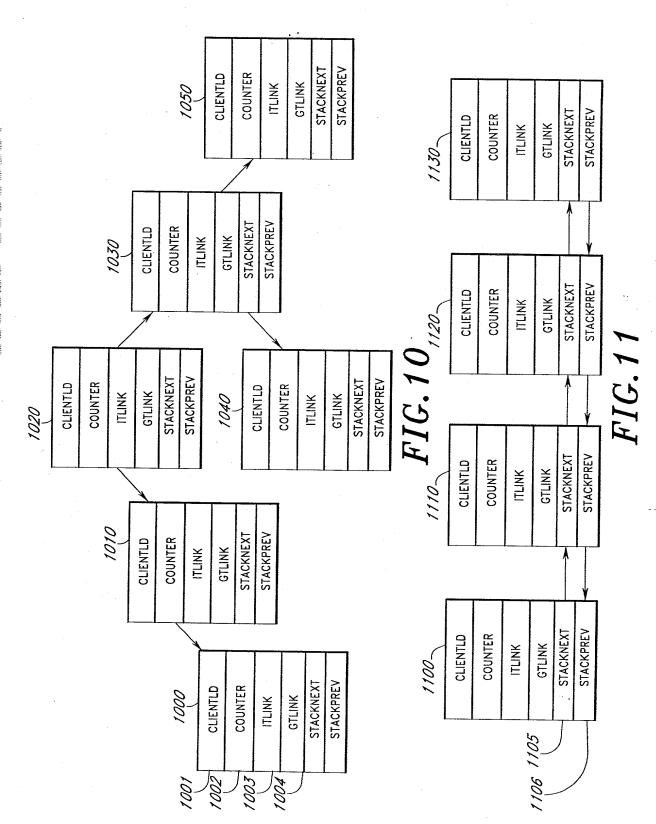


FIG.8A







	<i>–1200</i>
1210	STATUS
1220	INTENT TYPE
1230	GOAL BUFFER INDEX
1240	SPARE
1250 1260	DRIVE SECTOR
1270	DRIVE
1210	INTENT DATA

FIG. 12

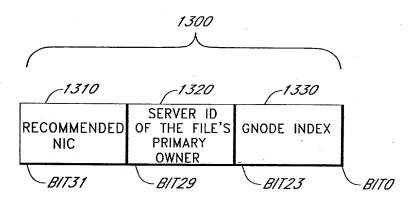


FIG. 13

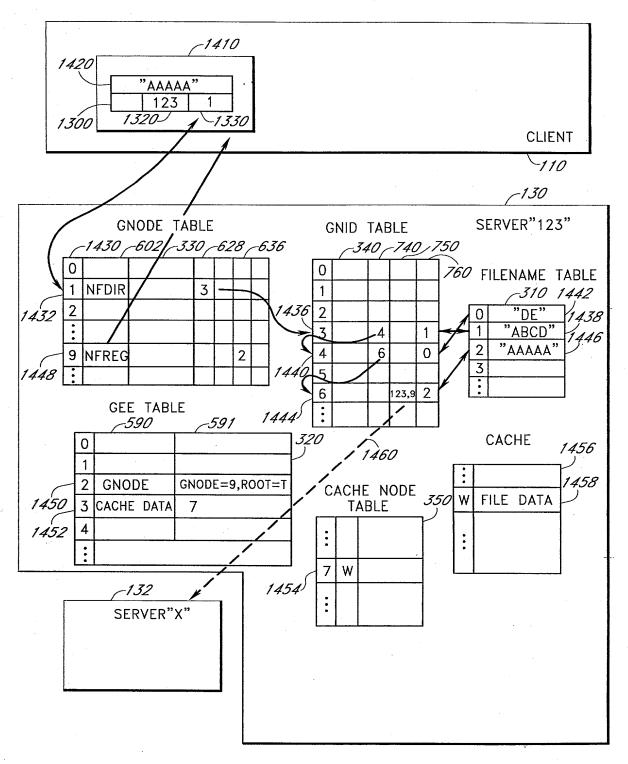


FIG. 14A

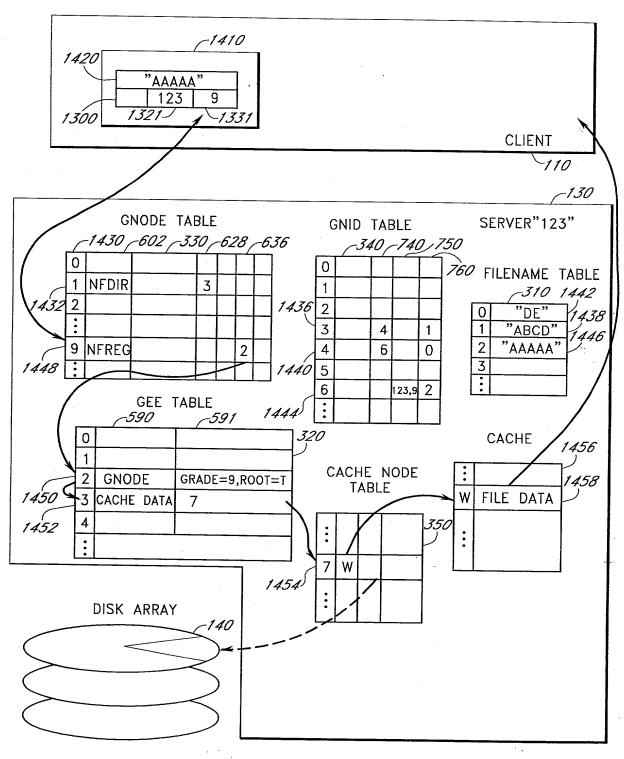
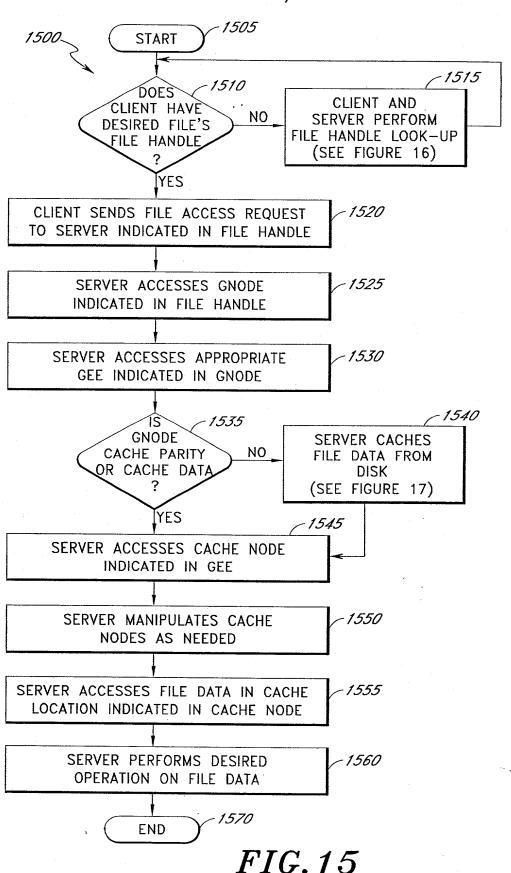


FIG. 14B



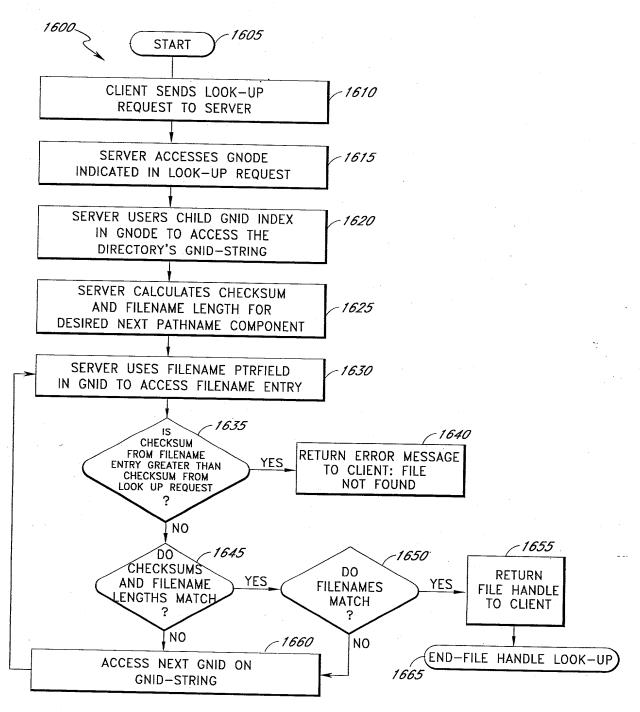


FIG. 16

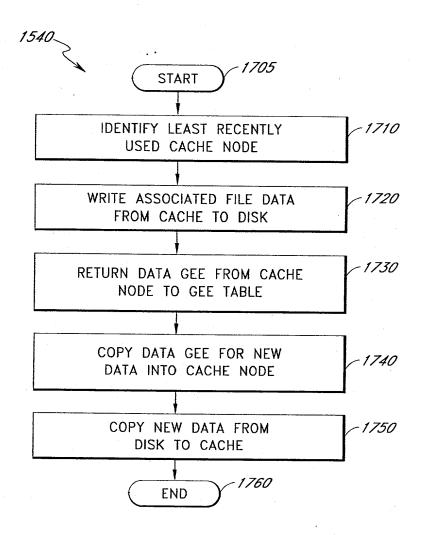
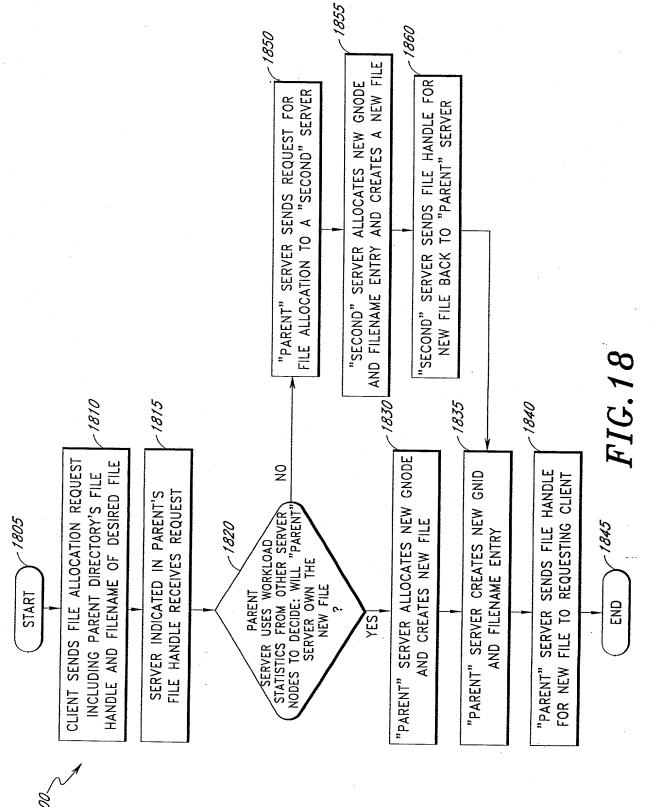


FIG. 17



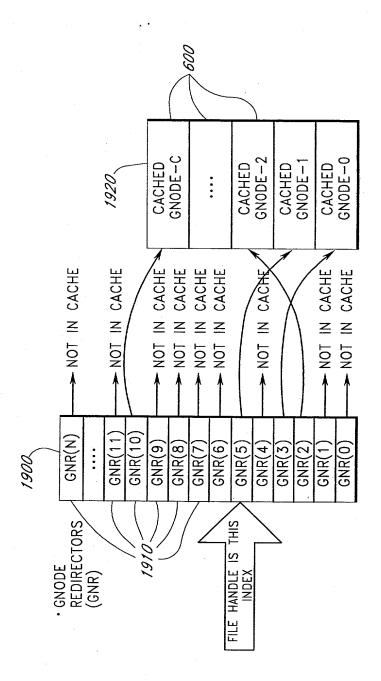
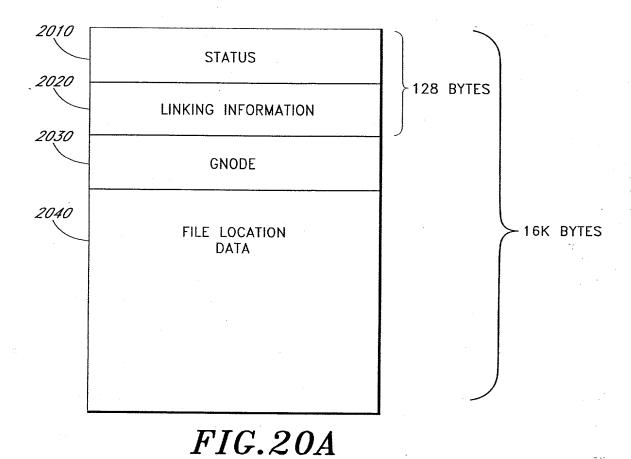


FIG. 19



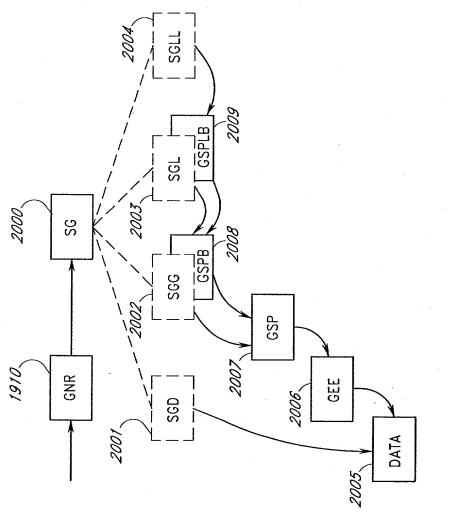


FIG.20B

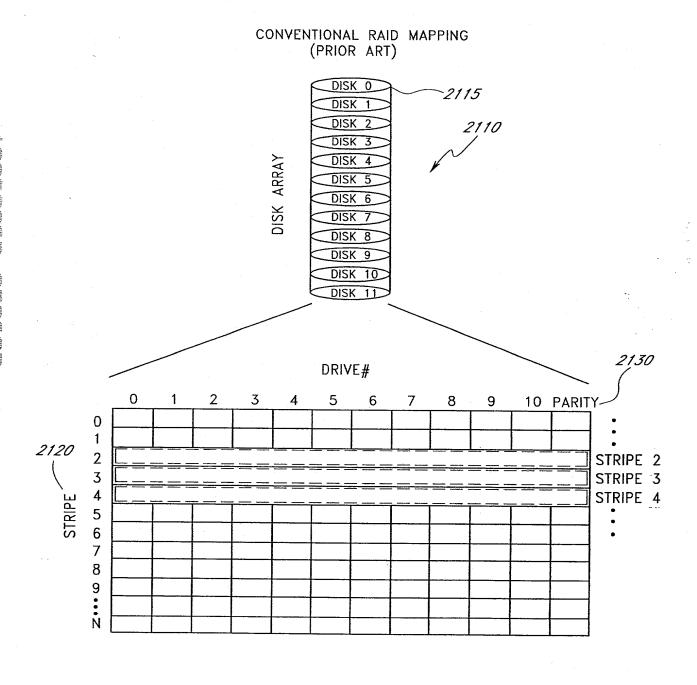


FIG.21

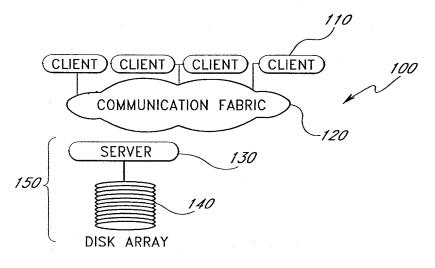


FIG.22A

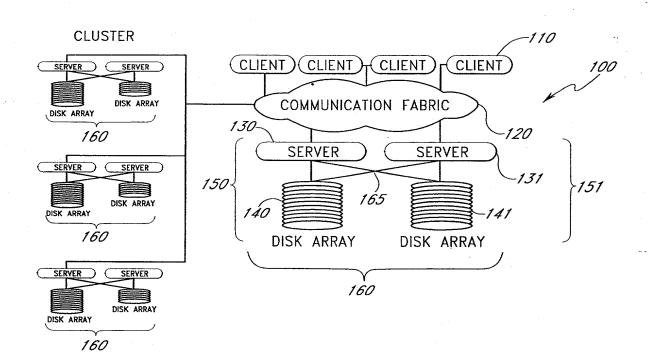


FIG.22B

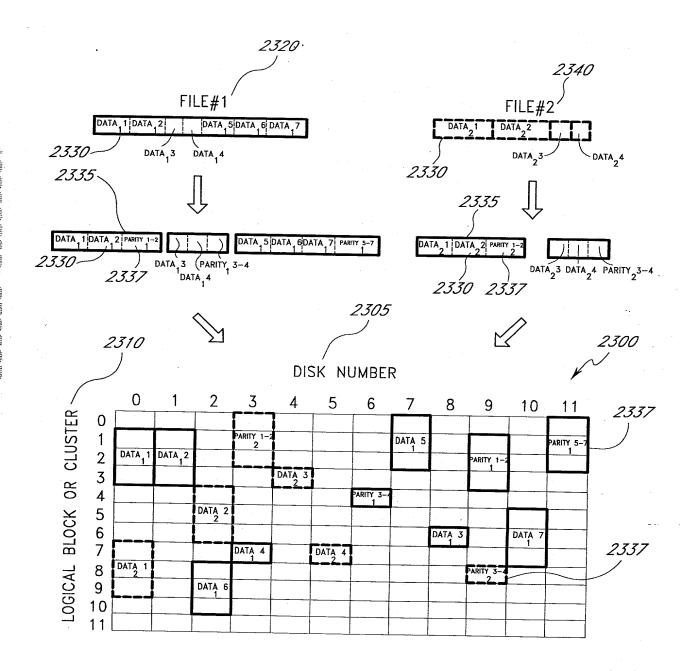


FIG.23

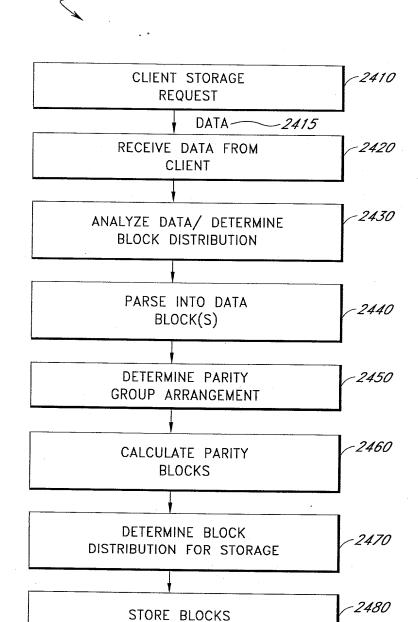


FIG.24A

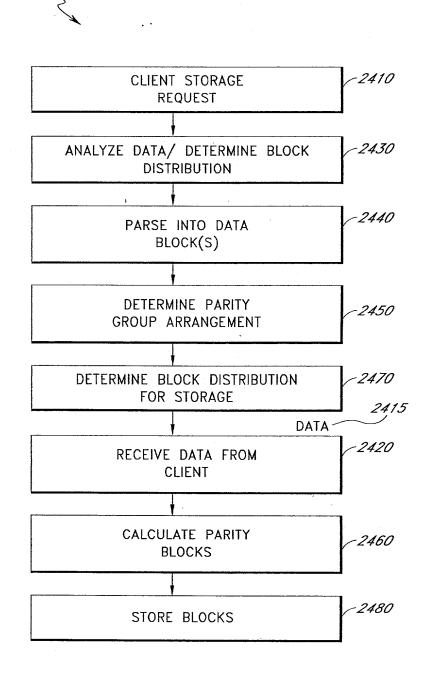


FIG.24B

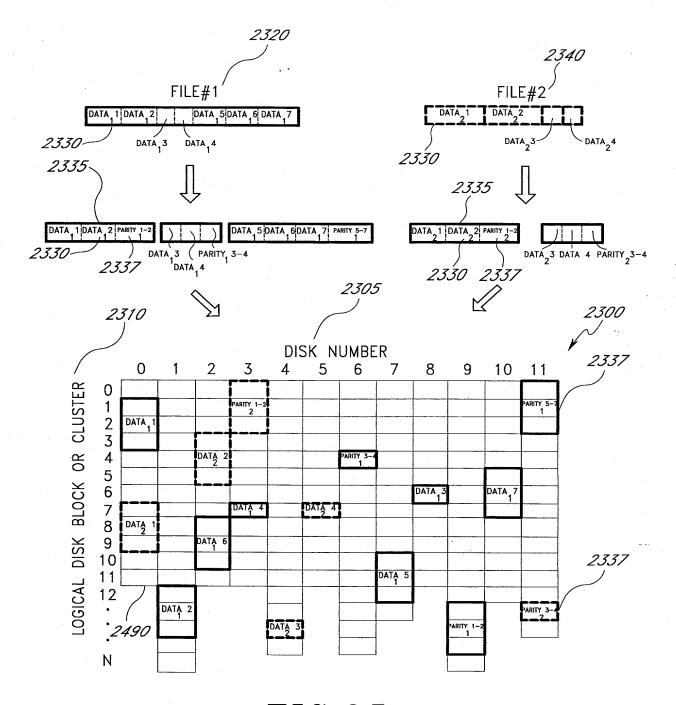


FIG.25

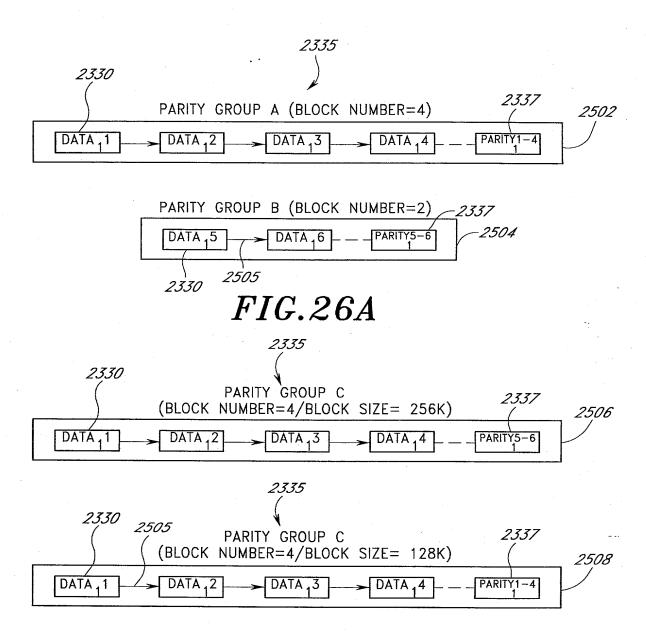


FIG.26B

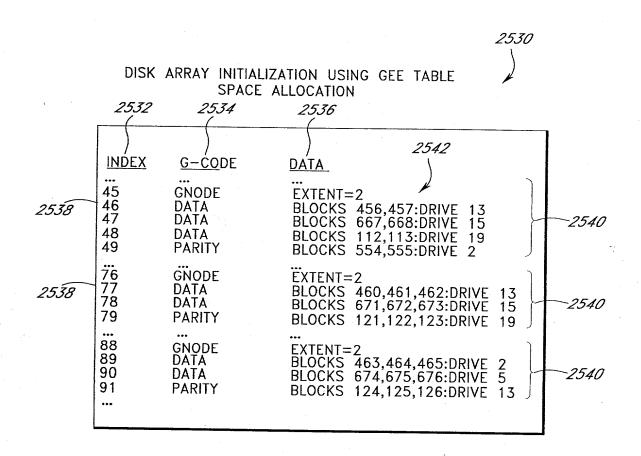


FIG.27

### ARRAY PREPARATION/ G-TABLE FORMATTING

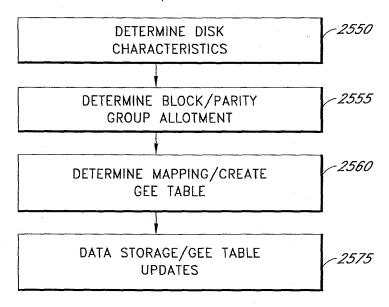


FIG.28

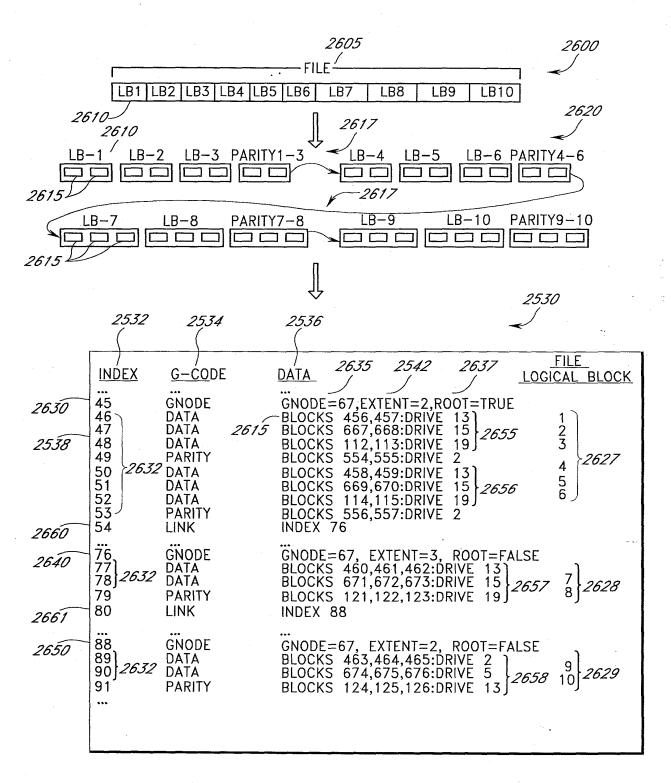


FIG.29

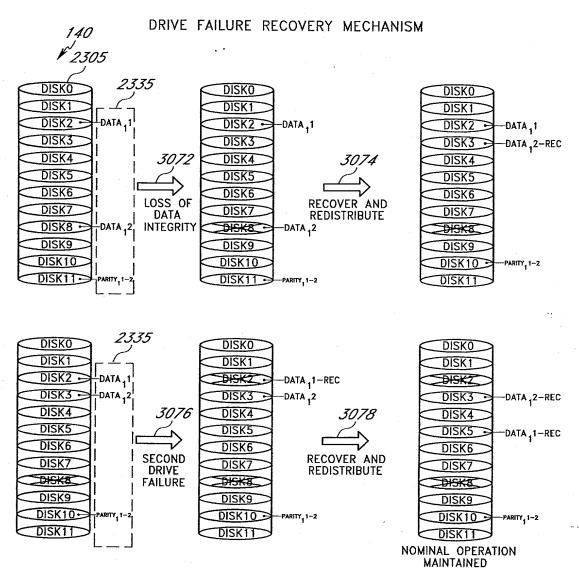


FIG.30

### DATA RECOVERY PROCESS

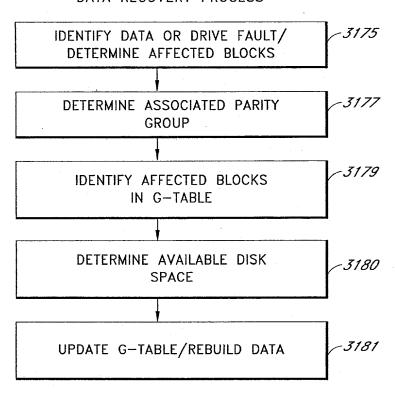
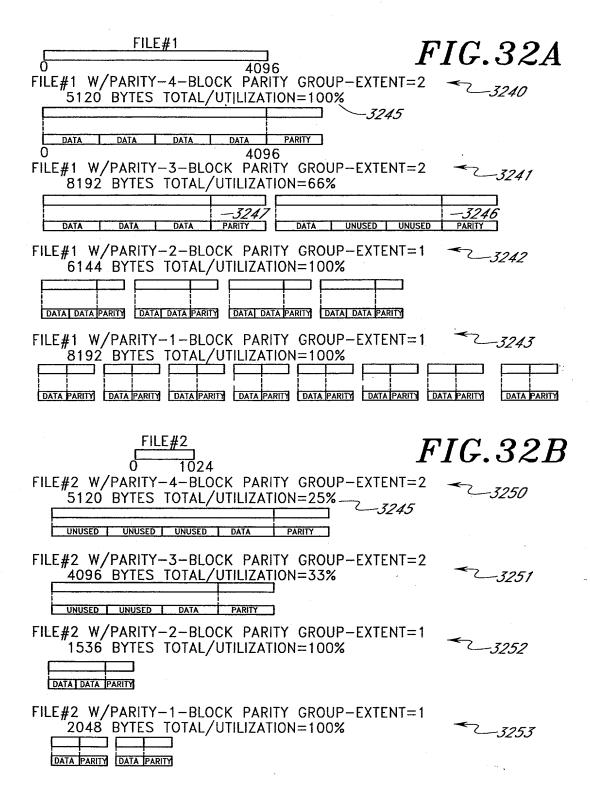


FIG.31



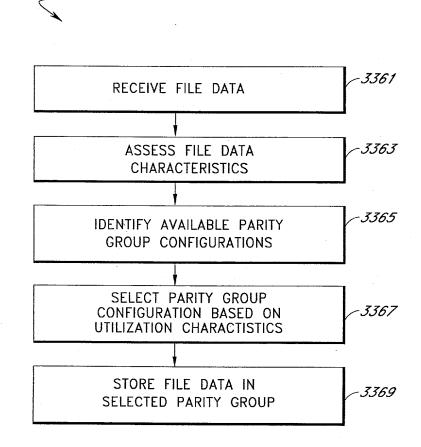


FIG.33

# FIG. 34A

F1G.34A		7.405
	INTIAL ALLOCATION-	3491 DISK - 3483 SPACE%
DATA DATA DATA DATA PARITY 4 BLOCK PANITY-		36%
DATA DATA DATA PARITY 3 BLOCK PANITY-		28%
DATA DATA PARITY 2 BLOCK PANITY		22%
DATA PARITY 1 BLOCK PANITY-	3483 10000 GROUPS	14%
FIG.34B 3492	DISK USAGE	<i>87</i> <sup>7</sup> DISK
3480\ FREE	OCCUPIED	TOTAL SPACE%
3481 4 BLOCK PANITY 2500 GROUPS	7500 GROUPS 10	000 GROUPS 36%
3 BLOCK PANITY 7500 GROUPS	2500 GROUPS 10	000 GROUPS 28%
3483 2 BLOCK PANITY 3500 GROUPS	6500 GROUPS 10	000 GROUPS 22%
1 BLOCK PANITY 500 GROUPS	9500 GROUPS 10	000 GROUPS 14%
FIG.34C	REDISTRIBUTION	3494
3492 FRE	E OCCUPIED	7490 DISK TOTAL SPACE%
3480-4 BLOCK PANITY 2500 GR	OUPS 7500 GROUPS	10000 GROUPS 36%
3481 3 BLOCK PANITY -5000 GROUPS OF 3 BLOCK PARITY 2500 gro	oups 2500 GROUPS	5000 GROUPS 14%
3482-2 BLOCK PANITY +10000 GROUPS 3500 GR	OUPS 6500 GROUPS	10000 GROUPS 22%
3483 1 BLOCK PANITY 10500 GI	ROUPS 9500 GROUPS	20000 GROUPS 28% REDISTRIBUTION

37/46 PARITY GROUP REDISTRIBUTION PROCESSES FIG.35APARITY GROUP DISSOLUTION 5-BLOCK PARITY GROUP 1-BLOCK PARITY 3-BLOCK PARITY **GROUP** OR *3530* 2-BLOCK PARITY 2-BLOCK PARITY <u>GRO</u>UP **GROUP** OR 3520 3520 1-BLOCK PARITY 1-BLOCK PARITY 1-BLOCK PARITY **GROUP GROUP GROUP** 

# PARITY GROUP CONSOLIDATION 2-BLOCK PARITY GROUP 2-BLOCK PARITY GROUPS DATA DATA PARITY DATA DATA PARITY OR 08 3535 3-BLOCK PARITY GROUP DATA DATA PARITY OR 3535 3-BLOCK PARITY GROUP DATA DATA PARITY OR 3515

3-BLOCK PARITY GROUP

DATA DATA DATA PARITY

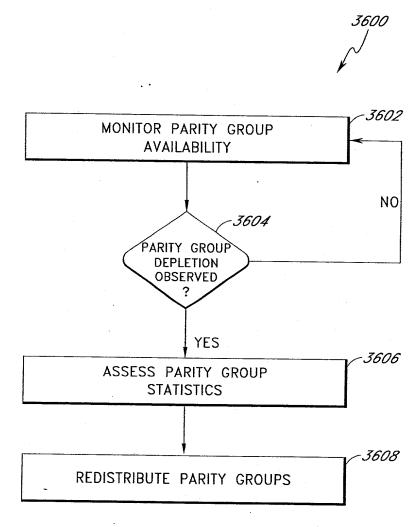


FIG.36

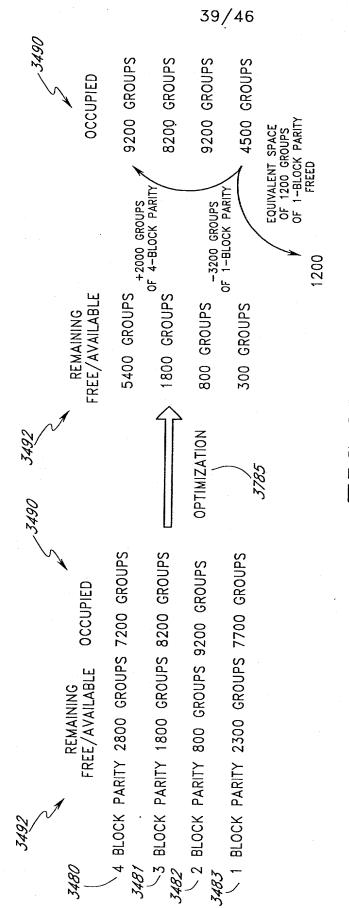


FIG.37

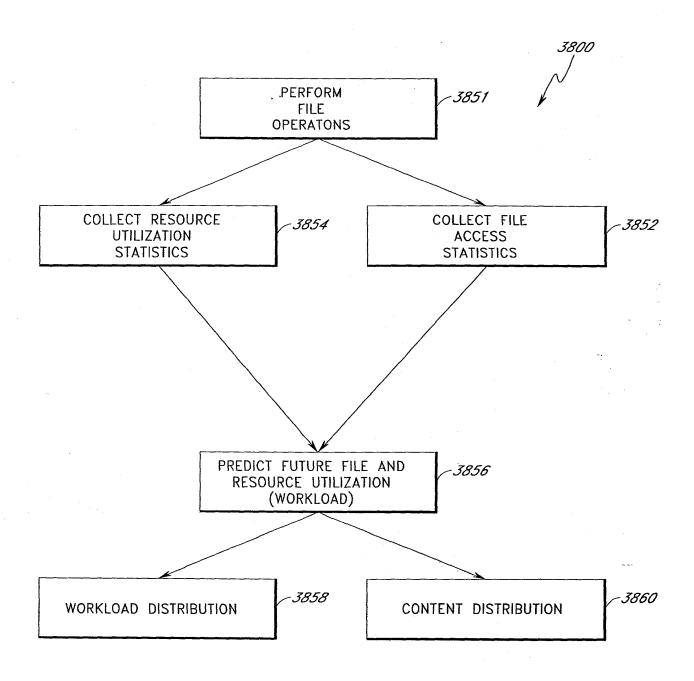
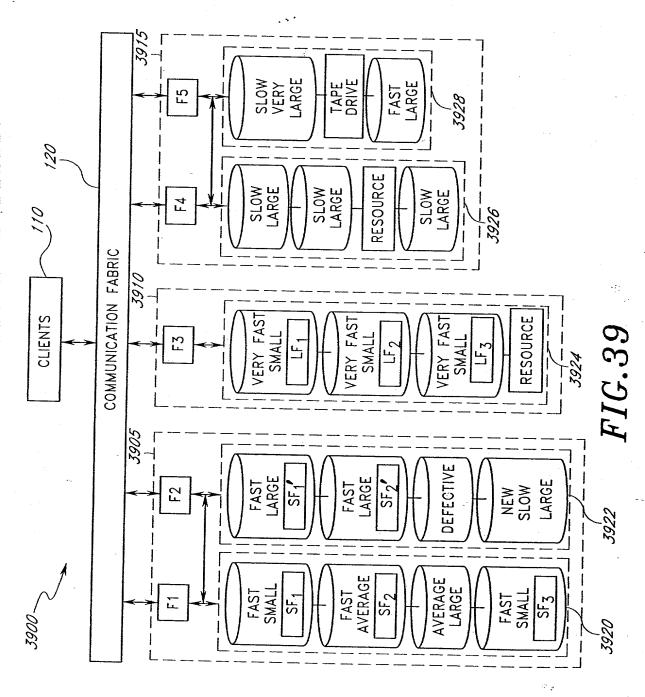
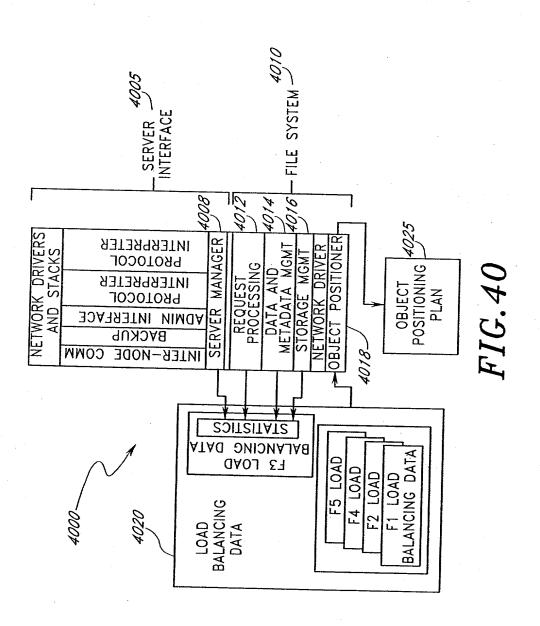


FIG.38



all system greet, then their spirit, piece warm, then present press press, pres

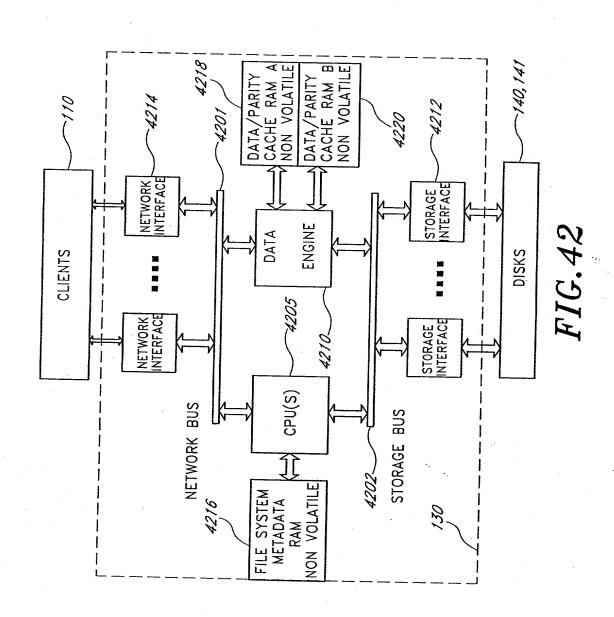


## F3 OBJECT POSITIONING PLAN

- •PUSH LF TO F4-F5 CLUSTER
- •ISSUE FILE HANDLE FOR LF=STALE
- •IF REQUESTED,
  - •SEND ACCEPTANCE FOR COPY OF SF TO F1
  - ·CREATE COPY OF SF
  - •SEND FILE HANDLE OF SF TO F1

FIG.41

4025



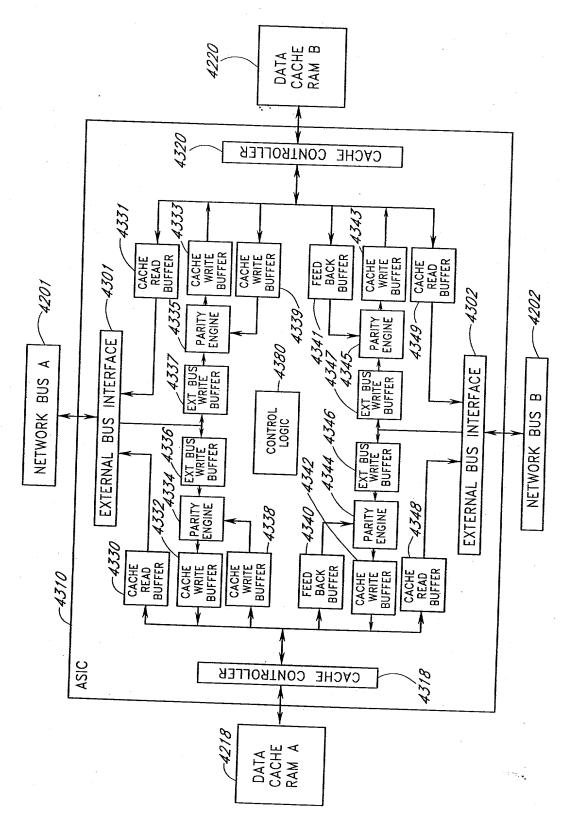


FIG. 43

RAM ADR	.51,5035,34,.32, 31
INDEX SPARE	5,34,.32,
PARITY INDEX	,503
SPARE	
OPCODE	5856, 55.
BLOCK SIZE	œ.
PCI MAP	6352,6158

FIG. 44

4400

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